

CDF Run II Preliminary

Expected and observed 95% CL upper limits for the VBF SS channel using 4fb^{-1} of $p\bar{p}$ data collected by the CDF detector. The limits are normalised to the expected Higgs cross-section.

Higgs mass (GeV/ c^2)	-2σ	-1σ	Median (σ/σ_H)	$+1\sigma$	$+2\sigma$	Observed
100	22.8	30.0	41.5	58.3	80.8	46.9
105	24.9	34.2	48.3	68.0	93.9	51.5
110	28.2	37.2	51.3	71.4	98.2	54.3
115	24.0	33.5	47.3	66.0	90.3	45.2
120	26.1	35.3	49.4	69.2	95.5	47.0
125	31.4	43.2	60.9	85.6	117.9	56.5
130	43.1	58.4	80.9	111.3	150.8	70.6
135	42.8	57.6	81.3	115.4	161.9	77.8
140	54.6	73.7	103.1	144.3	199.0	103.1
145	77.4	104.7	145.0	201.2	275.4	143.7
150	121.1	166.1	231.9	321.7	439.6	220.8